



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 12

Complete if Known

Application Number	10/697,412
Filing Date	October 30, 2003
First Named Inventor	CHEN et al.
Art Unit	
Examiner Name	

Attorney Docket Number 3303-23

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
JF		US- 5,096,388	03/17/1992	Weinberg	
		US- 5,585,011	12/17/1996	Saaski et al.	
		US- 5,705,318	01/06/1998	Mehregany et al.	
		US- 5,788,468	08/04/1998	Dewa et al.	
		US- 5,909,069	06/01/1999	Allen et al.	
		US- 5,997,263	12/07/1999	Van Lintel et al.	
		US- 6,116,863	09/12/2000	Ahn et al.	
		US- 6,136,212	10/24/2000	Mastrangelo et al.	
		US- 6,136,243	10/24/2000	Mehregany et al.	
		US- 6,227,809 B1	05/08/2001	Forster et al.	
		US- 6,318,970 B1	11/20/2001	Backhouse	
		US- 2002/0160561 A1	10/31/2002	Ouellet et al.	
		US- 6,520,753 B1	02/18/2003	Grosjean et al.	
		US- 6,551,083 B2	04/22/2003	Weisener et al.	
		US- 6,579,068 B2	06/17/2003	Bridger et al.	
		US-			

FOREIGN PATENT DOCUMENTS

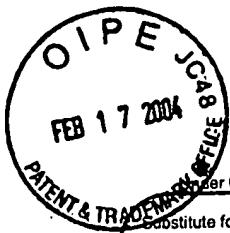
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ "Number ⁴ "Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
JF		EP 0,641,934 A1	03/08/1995	de Rooij, Nicolaas Frans		
JF		WO 03/018464 A2	03/06/2003	Sandhage, Kenneth H.		

Examiner Signature	/Jessica Frantz/	Date Considered	01/03/2007
--------------------	------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

2

of

2

Complete if Known	
Application Number	10/697,412
Filing Date	October 30, 2003
First Named Inventor	CHEN et al.
Art Unit	
Examiner Name	
Attorney Docket Number	3303-23

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
JF		SANDIA NATIONAL LABORATORIES, "Micromachines SUMMIT V Technology," http://www.mdl.sandia.gov/technologies/micromachines/summit5.html , Site Last Visited 10/4/2002.	
JF		SANDIA NATIONAL LABORATORIES, "Micromachines MEMS Overview," http://www.mdl.sandia.gov/technologies/micromachines/overview.html , Site Last Visited 10/4/2002.	
JF		KILANI, et al., "DESIGN AND ANALYSIS OF A POLYSILICON SURFACE MICROMACHINED VISCOUS DRAG SPIRAL PUMP," 15th ASCE Engineering Mechanics Conference, Columbia University, New York, NY, June 2-5, 2002.	

Examiner Signature	/Jessica Frantz/	Date Considered	01/03/2007
--------------------	------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.